

In The Claims

1. (Currently Amended) A cover for an energy guide chain, ~~where~~ wherein the cover comprises:

a first end region~~[[;]]~~;

a second end region~~[[;]]~~; and

~~at least one~~ an elastic section ~~provided~~ between the first end region ~~wherein~~ and the second end region ~~is, designed in such a way that the following relationship applies to it ; wherein the cover has an initial length and a second length when subjected to tension to define an actual length change S, and wherein the following ratio applies:~~

$$\Delta L/S < 1$$

where ΔL is ~~[[the]]~~ a length change of the cover with a length L_0 due to a force according to Hooke's law, and S is the actual length change of the cover due to the force.

2. (Currently Amended) The cover according to claim 1, ~~characterized in that at least one section~~ wherein the elastic section has a wavy shape.

3. (Currently Amended) The cover according to claim 2, ~~characterized in that at least~~ wherein the elastic section has waves of different heights.

4. (Currently Amended) The cover according to claim 2, ~~characterized in that at least one~~ wherein the elastic section has waves of different periods.

5. (Currently Amended) The cover according to claim 2, ~~characterized in that~~ wherein the elastic section wavy shape comprises a first wave and a second wave, each wave having flanks of the waves of the at least one section have a different slope~~[[s]]~~ than the other wave.

6. (Currently Amended) The cover according to claim 2, ~~characterized in that~~ wherein the wavy shape defines a first wave and a second wave, each wave comprising a wave trough[[s]] and the a wave crests of the waves of at least one section , and a curvature of the wave trough and wave crest have of the first wave is different than the curvature of the wave trough and wave crest of the second wave different curvatures.

7. (Currently Amended) The cover according to claim [[2]]5, ~~characterized in that the~~ wherein each wave further comprises a wave crests and/or wave troughs of the waves have crest, and the first wave crest has a different cross-section[[s]] than the flank[[s]] of the first wave[[s]].

8. (Currently Amended) The cover according to claim 7, ~~characterized in that~~ wherein the first wave crests and/or wave troughs of the waves have has a lower thickness than that is less than the thickness of the flank[[s]] of the first wave.

9. (Currently Amended) The cover according to claim 2, ~~characterized in that~~ wherein the wavy section is provided with a microstructure, at least partly further comprises:
a localized reinforcing microstructure.

10. (Currently Amended) The cover according to claim 2, ~~characterized in that~~ at least one wherein the elastic section has a first region and a second region, and wherein a structure of the first region is different than the structure of the second region at least two regions where the regions have a different structure.

11. (Currently Amended) The cover according to claim 1, ~~characterized by at least two cover parts, and further comprising:~~

a first cover part;

a second cover part which partially overlapping the first cover part; and

a transverse plate, where linked to the first and second cover parts are linked through at least one plate running essentially transversely to the longitudinal direction of cover.

12. (Currently Amended) The cover according to claim 11, ~~characterized in that at least one wherein the plate is designed to have spring elasticity is made at least partially of an elastic material.~~

13. (Currently Amended) The cover according to claim 11, ~~characterized by the fact that at least one wherein a portion of the plate is designed to have~~ has a wavy shape, ~~at least partly.~~

14. (Currently Amended) The cover according to claim 1, ~~characterized in that wherein the first and/or second end region is/are designed so that each is suitable for positive and/or nonpositive locking to~~ comprises a lock for engagement with a transverse link of a chain link.

15. (Currently Amended) The cover according to claim 1, ~~characterized in that wherein the first and/or the second end region is/are designed as a transverse link/transverse links is a transverse link in a chain.~~

16. (Currently Amended) The cover according to claim 1, ~~characterized in that these have at least two~~ and further comprising:

a plurality of cover sections and at least one a fastening region formed between [[the]] two cover sections, intended for linking the cover to a chain link.

17. (Currently Amended) The cover according to claim 1, ~~characterized in that it~~ wherein the cover is made at least partially of ~~[[a]] plastic, at least partly.~~

18. (Currently Amended) The cover according to claim ~~[[17]]1~~, ~~characterized in that at least one section~~ wherein the cover is made of at least two plastics with different elasticities.

19. (Currently Amended) A chain link of an energy guide chain comprising:

two mounting links;

~~at least one~~ a transverse link joining the mounting links;

~~and at least one a cover, where the cover has~~ comprising:

a first end region and a second end region and ~~has at least one~~ an elastic section ~~provided~~

disposed between the first end region and the second end region, and wherein the

cover designed in such a way that satisfies the following relationship ~~applies~~

when a force is applied to ~~[[#]]the cover:~~

$$\Delta L/S < 1$$

where ΔL is the length change of the cover with a length L_0 according to

Hooke's law, and S is the actual length change of the cover when force is applied

to the cover.

20. (Currently Amended) The chain link according to claim 19, ~~characterized in that~~ wherein the cover is ~~specifically~~ separably joined to ~~at least one~~ the transverse link.

21. (Currently Amended) The chain link according to claim 20, ~~characterized in that at least one~~ wherein the transverse link is joined pivotably to ~~at least one~~ a mounting link.

22. (Currently Amended) The chain link according to claim 19, ~~characterized in that it~~ has at least one and further comprising:

a fastening element, ~~which is~~ joined to ~~[[a]]the cover.~~

23. (Currently Amended) The chain link according to claim 19, ~~characterized by a cover~~
and further comprising a second traverse link, and wherein the cover extends between the
transverse links.

24. (Currently Amended) An energy guide chain ~~with~~ comprising:

a ~~multiplicity~~ plurality of chain links~~[[;]]~~;

~~linked together with joints, a joint linking adjacent chain links; and~~

~~a where at least some chain links have at least one cover joined to at least one chain~~
~~link;~~ characterized in that

wherein the cover [[has]] comprises:

a first end region; ~~[[and]]~~

a second end region; and

~~at least one~~ an elastic section ~~provided~~ disposed between the first end region and second
end region, ~~designed in such a way~~ such that the following relationship applies to

~~[[it]]~~ the cover:

$$\Delta L/S < 1$$

where ΔL is the length change of the cover with a length L_0 according to Hooke's law,

and S is the actual length change of the cover when force is applied to the cover.

25. (Currently Amended) The energy guide chain according to claim 24, ~~characterized in~~
~~that at least one~~ wherein the cover extends over at least two chain links.

26. (Currently Amended) The energy guide chain according to claim 24, ~~characterized in that a~~ and further comprising:

a traverse link; and

wherein the first end region and/or a second end region is/are is separably connected

especially separably with [[a]]the traverse link.

27. (Currently Amended) The energy guide chain according to claim 24, ~~characterized in that at least some chain links have~~ and further comprising:

cover fastening elements which are intended for fastening at least one cover joined to a

chain link.

28. (Currently Amended) The energy guide chain according to claim 24, ~~characterized in that at least one~~ wherein the cover is joined to two neighboring chain links.

29. (Currently Amended) The energy guide chain according to claim ~~[[24]]~~26, ~~where a cover is designed~~ and further comprising a second traverse link, and wherein the cover extends between the traverse links.

30. (Currently Amended) The energy guide chain according to claim ~~[[24]]~~29, ~~characterized in that this is formed at least partly of chain links~~ and wherein the cover is connected to the traverse link.

31. (New) The energy guide chain according to claim 23, and wherein the cover is connected to the traverse link.